

Open House Set Sat. for ABMA's 2nd Birthday



UGF CHECK — Military and civilian employees in all agencies at Redstone Arsenal contributed \$80,563.53 to the Huntsville-Madison County United Givers Fund drive. C. W. Huth, Arsenal chairman, left above, hands Circuit Judge Harry L. Pennington a check for \$49,963.95, representing cash gifts. The remaining \$30,599.58 is represented by pledges and the pay roll deduction plan for contractor firms. An additional \$3,600 was raised for the post's Joint Activities Council. Contributions by agencies were: RSA \$36,293.78; ABMA \$29,622.47; OGMS \$4,201.05; Thiokol \$10,268.83; and Rohm and Haas \$3,818.40.

(Photo by Pvt. Ralph Jefford)

Federal Service Campaign for Health Agencies Set

Envelopes will be distributed the first of February for this installation's participation in the Federal Service Campaign for National Health Agencies not included in the recent United Givers Fund drive.

Accompanying literature briefly describes the work of each agency included. Each person can indicate on a card how he wants his gift divided, and seal it to insure privacy. The envelopes will be collected in each unit by the person who distributes them.

The agencies represented are: **THE AMERICAN CANCER SOCIETY** — the Cancer Crusade — credited with saving the lives of 150,000 Americans every year through research, education, and service to those afflicted. Cancer strikes two out of three American homes and kills 250,000 annually.

THE AMERICAN HEART ASSOCIATION — the Heart Fund — fights diseases of the heart and blood vessels which affect ten million Americans responsible for 53 per cent of all deaths.

THE NATIONAL MULTIPLE

SCLEROSIS SOCIETY — the MS Hope Chest — seeks the cause and cure for multiple sclerosis, a baffling disease of the central nervous system which strikes one out of every four hundred Americans in the 20-40 age group.

THE NATIONAL SOCIETY FOR CRIPPLED CHILDREN & ADULTS — the Easter Seal Society — dedicated to rehabilitating persons crippled by injury or disease. Last year 152,000 children and adults were treated.

(See FEDERAL on Page 2)

Jewelers' Glasses to Monkey Wrenches

FIELD MAINTENANCE DOES BOTH HEAVY, DELICATE WORK

Under the same roof at the Field Maintenance Office at Redstone Arsenal, men work with the most delicate forceps and wear jewelers' glasses in one shop while men on the other side of the wall use oversized monkey wrenches to remove nuts from bolts.

The objective of Field Main-

COL. ERLENBUSCH

Commander of First Jupiter Squadron Has Wide AF Background

The commander of the first Jupiter Intermediate Range Ballistic Missile Squadron, Col. William C. Erlenbusch, has a broad background in U. S. Air Force service.

The newly activated Squadron will train at the Army Ballistic Missile Agency, where the Jupiter was developed.

Prior to his new assignment, Col. Erlenbusch was an assistant to the Deputy Commander, Plans and Operations of the Air Force Ballistic Missile Division at Inglewood, Calif.

Born in Columbus, Ohio, Col. Erlenbusch attended Ohio State University where he majored in industrial engineering, 1938-1941. During this period he also trained with the ROTC and received a reserve commission in 1941.

He was called to active duty that year and spent the next five years in aircraft maintenance duty with the Air Material and Air Transport Commands in the U. S. and the African and Middle East Theaters.

He left the service in 1947 to work as a design engineer for Curtis-Wright where he concentrated on problems in pressurization, air conditioning, and de-icing systems.

Upon his return to the Air Force the following year he went to the Air Tactical School where he prepared courses and lectures on new aircraft, propulsion systems, and related equipment in the Research and Development Division.

During his military career he has often returned to the classroom to study numerous subjects related to his field including Aircraft Maintenance Officers Course; B-29 Maintenance Course; Air Tactical School; Air Command and Staff School; and the Logis-

(See ERLENBUSCH on Page 2)



COL. WM. C. ERLENBUSCH

NIKE-HERCULES MISSILE UNITS PLAN TRAINING

Washington (AFPS) — Training of the first Nike Hercules missile battalion is scheduled to begin soon at Ft. Bliss, Texas, the Army has announced.

The Hercules is a big brother of the Nike Ajax anti-aircraft missile, with considerably greater capability in range, altitude, speed and killing potential. It can carry either a conventional or nuclear warhead.

The Hercules program will involve conversion of Nike Ajax units to Hercules battalions as well as the activation of new units, the Army explained. Much greater training activity is scheduled at Ft. Bliss than occurred at any time during the Nike Ajax program, the Army said.

Major Gen. Sam C. Hussell, (See NIKE-HERCULES on Page 2)

PARADE, TOURS, EXHIBITS SLATED

Employes, Families, Guests Are Invited

The Army Ballistic Missile Agency will celebrate its second birthday, Saturday, Feb. 1 with an open house to which employes, their families, and military and civic leaders have been invited by Maj. Gen. J. B. Medaris, commanding general.

The Agency was established Feb. 1, 1956, on Redstone Arsenal. Its missions include the weaponization of the Redstone Ballistic Missile System, development of the Jupiter IRBM, supervising training of Army and Air Force troop units which will deploy these weapons, and development of a new solid propellant Army missile systems, the Pershing.

The birthday program begins at 4 p.m. Jan. 31 when military and civilian officials of the Agency will witness the opening of the new Computations Laboratory.

The program next day starts with a parade at 9 a.m.

Other events include the following:

Exhibits of guided missile guidance equipment, closed circuit TV and communications equipment, models of guided missiles in the Headquarters Building.

Display of the Redstone and Jupiter Ballistic Missiles.

Motion pictures depicting Agency activities, display of Redstone field equipment including a newly developed lightweight launcher, static firing of a large rocket engine, mobile liquid oxygen and dry ice plants.

Guests of employes will be taken on bus tours which will include the Redstone Army Airport where aircraft will be on display.

Col. Lahlum Cited For His Work Here, Leaves for Korea

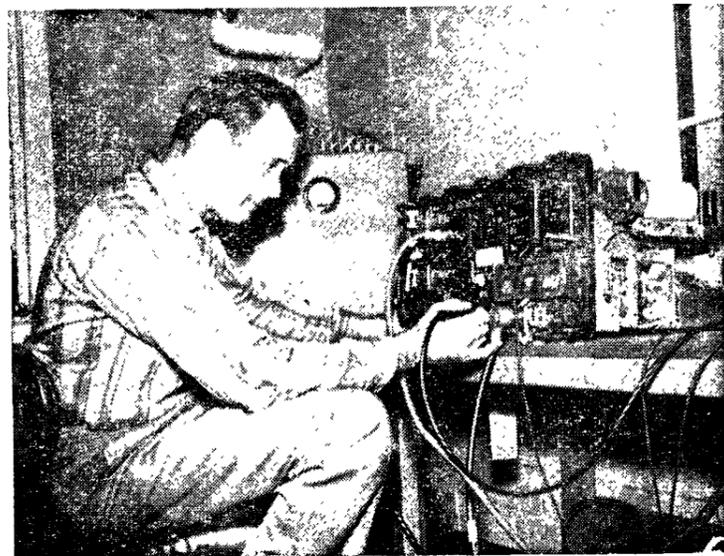
(Photo Inside)

Col. Arthur H. Lahlum of the Corps of Engineers has been awarded the Commendation Ribbon with Metal Pendant for meritorious service from March 30, 1956, to Dec. 31, 1957.

During this period, Col. Lahlum served as Assistant District Engineer for the U. S. Army Engineer District, Mobile, and was stationed at Redstone Arsenal. In this capacity he was responsible for the responsiveness of the Mobile District to meet the urgent construction requirements of the research and development facilities at the Army Ballistic Missile Agency. He was also responsible (See COL. LAHLUM on Page 11)



FIELD MAINTENANCE CONFERENCE — Maj. Raymon S. Dotson, (left), chief of the Field Maintenance Office, confers with his machine shop foreman, Tom M. Frazier (center), and W. J. Anderson, shop inspector, about production schedules. Frazier has been working here for the past 11 years. Anderson is a relative newcomer to Redstone who arrived last December from Anniston Ordnance Depot.



ADJUSTMENT AND CHECKOUT — James C. Cantrell, foreman of the Signal maintenance shop for the Field Maintenance Office, checks out and adjusts a radio transmitter. This is only one of a variety of services rendered by the Field Maintenance office. (Additional photos inside.)

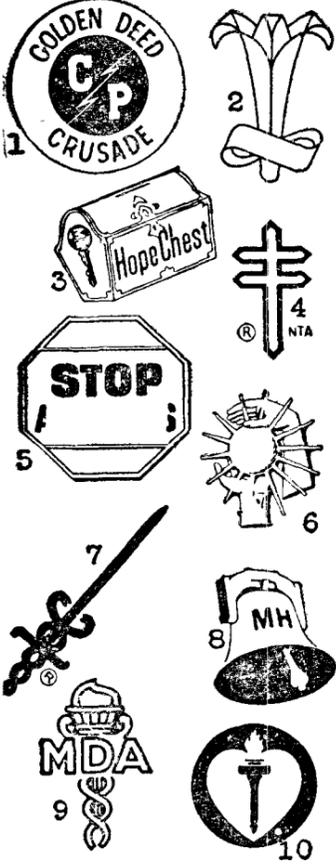
The Redstone Rocket

The Redstone Rocket is a privately owned newspaper published every Wednesday by Jack W. Hoffhaus, Hartselle, Alabama, with exclusive regard for the reader interests of personnel at Army Ballistic Missile Agency, Redstone Arsenal and Ordnance Guided Missile School in accordance with an agreement between the publisher and the Public Information Office, Redstone Arsenal, Huntsville, Alabama.

The Rocket is NOT an official or semi-official Army or Ordnance Corps publication. Policies and statements reflected in the news and editorial columns represent the views of the individual writers and are not necessarily those of the Department of the Army, the Ordnance Corps, or Redstone Arsenal. Appearance of advertisements in the Rocket does not constitute an endorsement of the advertising matter by the Department of the Army, the Ordnance Corps, or Redstone Arsenal.

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The Redstone Rocket is distributed free of cost to personnel at Redstone Arsenal. Mailing rates for the Rocket are \$8 a year, or \$1.75 for six months. Mailing arrangements may be made with the publisher.



Do You Know These?

Here are the symbols of the agencies included in the Federal Service Campaign for National Health Agencies. How many can you identify?

- ANSWERS:
 (1) United Cerebral Palsy Assns.; (2) National Society for Crippled Children and Adults; (3) National Multiple Sclerosis Society; (4) National Tuberculosis Assn.; (5) Arthritis and Rheumatism

FEDERAL

(Continued from Page 1)
UNITED CEREBRAL PALSY ASSOCIATIONS — the Golden Deed Crusade—fights a brain condition which cripples more than 13,000 newborn babies every year.

CRUSADE FOR FREEDOM — Radio Free Europe—Operates 29 powerful transmitters up to 20 hours a day to tell people behind the Iron Curtain the truth about what is going on—not only in the Free World, but in their own countries as well.

CARE — Every \$1 sends 22 pounds of our abundant U. S. surplus foods, in your name, to a hungry family overseas.

ERLENBUSCH

(Continued From Page 1)
 ties Staff Officers Course.
 Other major jobs Col. Erlenbusch has completed for the Air Force include supervision of material support for all 8th Air Force units, current missions and war missions; implementation of support for conversion of 8th Air Force Wings from B-36 to B-52 aircraft; implementation of material action leading to activation of new SAC bases at Portsmouth, Plattsburg, and Dow AFB's; supervised SAC material support building of NEAC area; Deputy Director Material, Headquarters, 8th Air Force; SAC Project Officer for implementation of air re-supply system to wings in NRAC area.

- Foundation; (6) National Society for Prevention of Blindness; (7) American Cancer Society; (8) National Assn. for Mental Health; (9) Muscular Dystrophy Assns.; (10) American Heart Assn.

READ THE WANTADS



TOUR FOR GENERALS—A guided tour inside the Assembly Shop of the Fabrication Laboratory of the Army Ballistic Missile Agency highlighted the recent visit of Lt. Gen. C. D. Eddleman, Deputy Chief of Staff, Operations Department of the Army (fourth from left), and Maj. Gen. Harry J. Storke, Army Chief of Information (second from right). Brig. Gen. George White, commanding general, Ordnance Training Command, Col. C. G. Patterson, Deputy of the Army Staff, ABMA, F. D. McDermott of the Fabrication Laboratory, (left to right), and Brig. Gen. J. A. Barclay, deputy commander, ABMA (far right), accompanied the visiting party as they were briefed on the latest in missile development.

Military TV School

FORT CLAYTON, Canal Zone—A 24-lesson course in the Spanish language has been added to the educational programs of the Caribbean Forces Network, only television station in the Canal

Zone. The new course is the Armed Forces station's first attempt to conduct Spanish classes on television. Other educational programs include classes in mathematics and history.

The filmed courses, all of high school level, are provided by the

tion and Education in cooperation with leading U. S. educational institutions.

"I see your wife has a new fur coat. That ought to keep her warm."
 "I didn't buy it to keep her warm—just to keep her quiet."

NIKE-HERCULES

(Continued From Page 1)

Commander of the Air Defense Center at Ft. Bliss, said the number to be trained on the Hercules may result in a peak load of 10,000 students at the Air Defense School.

A year ago there was a student load of 3,000 at the school and now there are over 5,000, the Army noted.

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'RIGHT HANDS ACROSS!' Square Dancers at Service Club

Enlisted Men, Guests Entertained at Dance At Service Club

Enlisted men and their guests were entertained with a square dance and a program of specialty numbers on Friday evening, Jan. 24, at the Service Club.

Kermit Shearn, prominent in square dancing clubs in Huntsville, was the caller. He very skillfully led the newcomers to square dancing through the routines. Providing the music was "The Tumbleweeds," string group from Birmingham.

John Wiggins, folk singer, presented a program of folk ballads and western songs. The "Merry Mixers" and "Pats and Squares" dance groups of Huntsville demonstrated some intricate sets which they had perfected for this occasion.

The "Paragons" combo, composed of Pvt. Don Peragallo, pianist, Pvt. Curtis Wilson, bass player, and Pvt. Connie Kostka, drummer, played music in a more modern vein for dancing.

Around 360 people were present at the dance.

Capital Airlines Tells Plans for Purchase of 15 Convair 880 Jets

David H. Baker, president of Capital Airlines, has announced that the executive committee of the Board of directors of Capital Airlines had accepted a proposal from General Dynamics Corporation to purchase 15 Convair 880 Jet Airliners. Capital stated that nine of the 615 mile per hour Convair 880 Jet Airliners are needed for its present system. Delivery of the additional six 880's is contingent upon future expansion.

Capital is scheduled to receive its first Convair 880 Jet Airliner in September, 1960. Delivery of the remainder will be completed within one year thereafter.

was made up of those who have arrived since June 1, 1957. In addition, Mrs. Mullnae reviewed all of the Clubs' various activities.

Other guests at the coffee included Mrs. J. B. Medaris, Mrs. H. N. Toftoy, and Mrs. H. S. Newhall, wives of the commanders on the post, the advisory council for the Club, and the chairman for each of the Clubs' activities.

Chairman of the Hospitality Committee is Mrs. R. N. Flint. Her captains are Mrs. H. C. Hansen, representing OGMS; Mrs. R. S. Dotson, representing Redstone Arsenal; Mrs. J. K. Selte, representing ABMA; Mrs. D. E. Foxworthy, representing the associate members of the Club; and Mrs. J. G. McNeil, who is in charge of sending greeting cards. The Hospitality Committee is assisted by Mrs. W. F. Diggs, Mrs. Carl Messinger, Mrs. J. H. Longbottom, Mrs. E. M. Dooley, Mrs. H. S. Newhall, and Mrs. E. K. Fowler.

Twickenham Club Sets Rally; Proceeds Go to March of Dimes

The Twickenham Auto Club will hold its monthly rally on Feb. 9th. The one dollar per car entry will be donated to the March of Dimes.

The rally will begin at the Star Market at Five Points east at 1 p.m. The club, composed mostly of personnel from units at Redstone Arsenal, extends an invitation to all members and non-

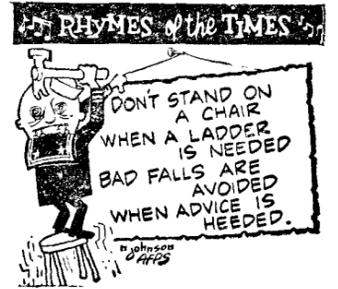
The Convair 880 has a speed of 615 miles per hour. It is built by the company that produces the airline's Convair-Liners.

The Capital 880 will carry 94 passengers. As an example of the speed, they will fly from Washington, D. C., to Chicago in one hour and 17 minutes, compared to the present fastest DC-7 schedule of two hours 35 minutes. Between New York and Chicago the 880 time is one hour and 40 minutes, as opposed to the DC-7's three hours at present.

members to participate. Interested individuals who drive foreign cars, sports cars, or American cars, may contact Warrant Officer Louis Normandin at 6466 ext. 14, for further information.

The rally will be of the type called "Hound and Hare." The contestants will be given instructions at the start and will drive approximately 50 to 75 miles mostly within Huntsville city limits. The usual rally equipment will not be required.

Those who finish the rally will be judged on the basis of elapsed time and correct mileage among other points.



'Keys' to Arsenal Given to Newcomers By Officers' Wives

"Keys" to Redstone Arsenal were presented to 150 newcomers last week at the Newcomers Coffee sponsored by the Hospitality Committee of the Redstone Arsenal Officers Wives Club.

The Coffee was held from 9:30 to 11:30 at the Redstone Room, and each attending newcomer received a name card decorated with a small gold key.

Mrs. W. R. Mullane, president of the Officers Wives Club, greeted the newcomers group, which

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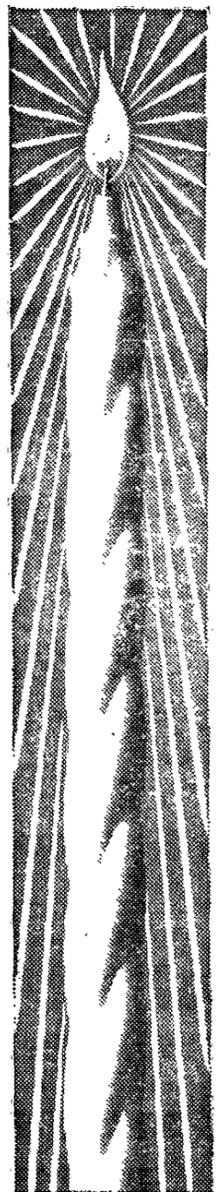
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MISS PARKER HONORED—Maj. Gen. J. B. Medaris, commanding general of the Army Ballistic Missile Agency, presents a Sustained Superior Performance Award and an Outstanding Performance Rating to his administrative assistant, Miss Louise Parker.

* * *

Miss Louise Parker Honored for Her Work

Miss Louise Parker, administrative assistant (secretarial) to Maj. Gen. J. B. Medaris, commander of the Army Ballistic Missile Agency, has received an award of \$200 in recognition of her Sustained Superior Performance.

In addition to this award, Miss Parker earned an Outstanding Performance Rating for the period from Nov. 1, 1956, to Oct. 31, 1957. In the letter of commendation accompanying this rating, Gen. Medaris expressed his appreciation for her fine work, saying:

"The degree of performance in all phases of your work has been above that which would normally be expected and has set an example for others to follow. Your efficiency, tact, and courtesy in handling the administrative affairs of my office has contributed much to the over-all mission of this Agency."

Miss Parker is the daughter of Mrs. J. B. Parker of Tuscaloosa. A graduate of Tuscaloosa High School, she attended the University of Alabama. She has been employed at ABMA since January, 1956.

Third Army's Chief Nurse Honored by U. S. Lady Magazine

Lt. Col. Ruby Bradley, chief nurse for Third Army, is the U. S. Lady Magazine's choice for "Lady of the Year."

A panel of the magazine's representatives chooses a "Lady of the Month" for each issue of the publication and selects the one considered the most outstanding by the majority as the "Lady of the Year."

Col. Bradley has an extremely distinguished Army record. She started her Army career after completing nurses training. Her initial assignment was at Walter Reed Hospital.

When the Japanese took the Philippine Islands in World War II, Col. Bradley was among the prisoners at Baguio. She distinguished herself as a nurse during the 37 months she spent as a prisoner, and after the liberation was the first woman to have an international honor guard when Gen. Maxwell D. Taylor, now Army chief of staff, pinned an Oak Leaf Cluster to the Bronze Star Medal on her.

Later, as chief nurse for the Eighth Army in Korea during the fighting she helped establish many field and evacuation hospitals.



PLANNERS — The Missile Planning Office has been established at the Army Ballistic Missile Agency to plan and control, on a long-range basis, the entire missile and rocket programs. Members of the staff were photographed at the organization meeting and are, left to right, Lt. Col. E. M. Graham, executive secretary; Col. J. G. Zierdt; Col. H. S. Newhall, commanding the Ordnance Guided Missile School; Maj. Gen. J. B. Medaris, chief of the Office and commanding the Army Ballistic Missile Agency; Maj. Gen. H. N. Toftoy, commanding Redstone Arsenal; Col. H. N. Brownson; and Maj. W. B. Hawkins.

Army Predicts Missile Delivery Of Food, Fuel, Medicine By '62

Washington, (AFPS) — Chicken, french-fried potatoes, flying jeeps, fuel and medicine — delivered to the new Pentomic Army by missile—are predicted by 1962.

These innovations, forecast by the chiefs of the Army's Technical Services in detailing the developments expected within the next four years, appear in the February issue of the Army Information Digest.

With each division having atomic capability giving it greater firepower than entire groups in

WWII, the experts foresee other advances through inventive genius, including:

Helmet radio communications for individual riflemen.

Punchcard data processing machines for company commanders to record and compile operations and intelligence information.

Dial radio telephone systems in combat zones.

Aerocycles, flying platforms and nuclear-powered, remote-controlled aerial cargo carriers for the battlefield.

Improved medicines and techniques for treating atomic warfare casualties.

Tomorrow's Army will be fed on irradiated perishables treated with radio-active isotopes to prevent spoilage and highly palatable pre-cooked dehydrated foods requiring only the addition of hot water to make them edible.

Although most Army missiles will be able to deliver nuclear warheads, troops will be provided with a variety of both "wonder" and traditional weapons to enable them to apply force measured to particular military situations.

All types of divisions will use the Army's new family of small arms.

She was also instrumental in developing the Korean Nurses' Association to educate the Koreans in modern methods of nursing.

Col. Bradley recently appeared on the TV program "This Is Your Life." And the International Red Cross awarded her the Florence Nightingale Medal in recognition of her outstanding nursing service.

City visitor: "Don't you ever shoo those pesky flies?"

Farmer: "No, I just let them go barefooted."

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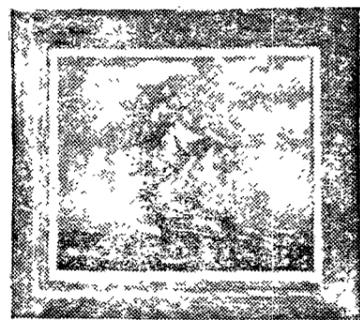
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MRS. HANNAH RATED SUPERIOR—Mrs. Josephine Hannah (center) listens to Maj. Gen. H. N. Toftoy, commanding general of Redstone Arsenal, read the letter in which she was awarded a sustained superior performance rating. Mrs. Hannah was a freight traffic officer in the Transportation Division until recently. Pictured with them is Mrs. Mildred Bobo, Mrs. Hannah's supervisor. Superior performance ratings also carry a cash award. Mrs. Hannah's home is in Athens, Ala.

The teacher had asked her pupils who the nine greatest Americans were. All the papers were in except Johnny's.
 "Can't you finish, Johnny?"
 "I can't decide," Johnny replied, "about the first baseman."

Fiancee: "Mother told me to object to the use of the word 'obey' in the marriage ceremony."
 Fiancee: "And what did you tell her?"
 Fiancee: "I said I wouldn't."
 Fiancee: "You darling."
 Fiancee: "Yes, I said you could take a joke as well as any man."

to have the experience of military service. At the same time, he disliked the thought of the separation from young Tom that the usual Army enlistment would produce.

Grandfather Gramlich, with an assist from the Reserve Forces Act of 1955, found a way out of his dilemma. He and his grandson enlisted in the 352nd Signal Support Battalion, U.S. Army Reserve, a hometown unit in which both may complete the balance of their military service. They are now together regularly for Army Reserve training periods. And the Sergeant now has time, which he never seemed to have before, to teach his grandson the proper use of firearms. A skilled marksman, he is the unit rifle instructor.



Service Club Schedule	Golf Driving Range and Archery Range Operating Hours	Saturday and Holidays 0800-1630
Post Gymnasium Operating Hours	Monday thru Friday 1400-1700	Sunday 1230-1930
Monday thru Friday 1400-2200.	Saturday 1300-1730	LIBRARY OPERATING HOURS
Saturday 0900-1600	Sunday and Holidays 1400-1730	Monday thru Friday 1100-2200.
Sunday 1300-1600	Craft Shop Operating Hours	Saturday, Sunday and Holidays
	Wednesday thru Friday 1730-2200	1400-2'00 (Closed for supper 1700 to 1745).

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Grandpa Solves Military Service Without Separation

NEW YORK — An Army Reserve sergeant has found a way to make military service a family affair.

Master Sergeant George C. Gramlich of (1005 Esplanade) the Bronx, at 53 is a seasoned soldier with 22 years of combined active and Reserve military service. He also is a proud grandfather with an understandable interest in the activities and welfare of his grandson, Thomas Silvestri Jr.

Gramlich wanted his grandson

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toward building the organization. Our objectives are to provide an efficient service and greatly extend that service to the tremendous potential membership which exists.

We Invite You to Look at These Amazing Results!

PROGRESS

- SERVICE**—Life Savings Insurance coverage for members increased to \$2,000 on May 1, 1957.
- CONVENIENCE**—Revised method of payments. Quarterly statements. Mail deposit forms.
- PROMOTION**—A planned, broad, informational and promotional program.
- COLLECTIONS**—A firm fast follow-up on delinquencies.
- SYSTEMS**—A modern accounting system.
- EQUIPMENT**—A mechanized operation.
- PERSONNEL**—Established and published forward-looking personnel policies and procedures.
- SAFETY**—Fire and commercial liability insurance on Credit Union property — for your protection.

GROWTH

	INCREASES IN 1957		
	Total Year	September Thru December	Four Month % of Total
LOANS	\$609,360.45	\$282,939.88	46%
SHARES	567,822.96	264,264.18	40%
ASSETS & LIABILITIES	634,834.89	303,123.19	48%
NET EARNINGS	110,062.27	41,371.48	38%
NO. MEMBERS	1807	699	39%
REDUCTION IN DELINQUENCY			
% Delinquent to	Aug. 31, 1957	\$144,497.20	9%
Total Loans	Dec. 31, 1957	115,108.59	6%

- PLANNING**—Constant effort to improve.
- EXPANSION**—To provide services to newer contractor groups.

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BUILDING 3649

REDSTONE ARSENAL, ALA.



SUSTAINED SUPERIOR PERFORMANCE—Gordon L. Harris, Public Information Officer for the Army Ballistic Missile Agency, receives a Sustained Superior Performance Award of \$300 from Maj. J. B. Medaris, ABMA commander. The award was presented to Harris in recognition of his work during the period between Jan. 14, 1957, and Dec. 14, 1957. In the letter of commendation accompanying the award, Gen. Medaris stated: "It gives me great pleasure to recognize you in this manner and I am deeply appreciative of the unusually high quality of work that you have produced. I am certain that your efforts have contributed much toward favorably informing the public of the accomplishment of this Agency." Harris joined Gen. Medaris' staff in October of 1956. He was formerly employed as chief of the Management Engineering Branch at Picatinny Arsenal, Dover, N. J.

Improved Inspection, Acceptance Methods Devised by Ordnance

DETROIT — A method has been worked out by Ordnance people here for improved inspection and acceptance of products manufactured for the Army.

This has been accomplished through a simplified system for evaluating a contractor's quality control system to determine its adequacy and his company's conformance to it.

The Army's Ordnance Tank-Automotive Command has been

directed to conduct Quality Assurance Training for all of Army Ordnance, it was revealed by Victor R. Anderson, Director of the Inspection Training School, and Edward C. Slayman, Chief of Quality Control, at OTAC's Detroit Arsenal.

The new industrial system for guaranteeing the quality of products. "Quality Assurance," is a "reasonable guarantee of product conformance to established standards without the necessity of minute product examination and testing." For example, it is used by the auto industry to assure uniform quality of its products.

Army Ordnance Quality Assurance has as its objective:

- (1) Assure conformance to contractual requirements.
- (2) Established uniform inspection policies and procedures.
- (3) Obtain assurance economically by: (a) Eliminating duplicate inspection among the military activities and between government and industry. (b) Prevention

Continuity of Essential Industrial Operations Course Held at Gordon

Ft. Gordon, Ga.—The Provost Marshal General's School here held graduation exercises recently for the first Continuity of Essential Industrial Operations course. Fifty students from major Ordnance and other military installations throughout the United States received diplomas for the nine-day course of study.

(Attending the school from Redstone Arsenal was Eldon J. Hoar, program coordinator, Special Plans Branch, Plans Coordination Office, and from the Army Ballistic Missile Agency was Capt. Frederick L. Young, ABMA troop commander.

Addressing the graduating class was Brig. Gen. Frederick G. Waite, who on 1 Nov., 1957 became Assistant Chief of Ordnance for Manpower.

The new series of classes features such subjects as radiological hazards in firefighting and damage control, restoration measures for plant production, and the effects of radioactive fallout on structures, equipment and personnel.

Realizing that industrial defense measures taken at U. S. Army installations may have far different effects from those ap-

and prompt detection of defects through adequate process controls.

(4) Realize maximum government - industry co-operation.

Twenty-seven Ordnance employees attended the first class at the Detroit Arsenal (13-17 January 1958). They were heads of inspection from all nine of the Army commodity commands and mission arsenals.

The 14 districts, including Detroit Ordnance District, will send their inspection department heads to the school for training. Additional classes will be scheduled as needed.

In the first class were: Maj. W. N. Lingenfelter, O. N. Scofield, H. L. Martin, James L. Stoddard, Happel E. Smith, George M. Hal-lenback, all of Redstone Arsenal and ABMA; James E. Maxwell, Bingham E. Newland, Adam L. White, all of Ordnance Weapons Command; T. McNeil, of Frankford Arsenal; Harold Pfister, Richard Gorney, Alfred Matteson, all of Rossford Ordnance Depot; Robert E. Todd, U. S. McDonald, John Gallagher, all of Picatinny Arsenal; James McKay, of Raritan Arsenal; Leonard Smith, Howard T. Reed, J. Brothers, all of Ordnance Ammunition Command; E. Inglis, C. Laub, F. Connolly, all of Watervliet Arsenal; and Patrick LaFrate, of Detroit Arsenal.

Special guests were: Lt. Colonel Paul A. Simpson, Executive Officer, Industrial Division, OTAC; Howard H. Sprengel, Executive Assistant, Inspection Branch, OTAC; and Jack Griel of the Industrial Division, Office, Chief of Ordnance, Washington, D. C.

Safety Scoreboard

Days since last civilian disabling injury — 11.	
Our Goal	30
Days since last military disabling injury — 14.	
Our Goal	60
Days since last contractor personnel disabling injury — 215.	
Our Goal	300
Days since last government vehicle accident — 80.	
Our Goal	30

plied in tactical or battlefield situations, the commanding general, Continental Army Command, has approved the new course to keep industrial management personnel abreast of atomic age protective means.

A coordinated effort between the Office of the Chief of Ordnance and the Office of The Provost Marshal General, the Industrial Continuity course stresses damage reporting and assessment in addition to management methods required to keep vital defense plants in operation.

Patient professor: "Now, gentlemen, I don't mind you staring at your wrist watches, but please be courteous enough not to hold them up to your ears as if you thought they had stopped running."

PERFUME



"Who needs it? My boy friend just got back from two years in Alaska!"

RYMES of the TIMES



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Jim Terry, Owner

MOVIE SCHEDULE

Wednesday, Jan. 29 — "Guys and Dolls" starring Marlon Brando, Jean Simmons, Frank Sinatra, Vivian Blaine (M). Ticket window opens 1730, movie begins 1800. Movie ends 2030, second movie, ticket window opens 2030, movie begins at 2045.

Thursday and Friday, Jan. 30, and 31 — "The Quiet American" starring Audie Murphy, Michael Redgrave, Claude Dauphin, and Georgia Moll (M). Time 1830 and 2030.

Saturday, Feb. 1 — Matinee, "Forever Darling" starring Lucille Ball and Desi Arnaz, and James Mason (F). Ticket window opens 1500 and movie starts 1530.

Saturday, Feb. 1 — "Going Steady" starring Molly Bee, Alan Reed, Jr., Irene Hervey, and Bill Goodwin (F). Time 1830 and 2030.

Sunday and Monday, Feb. 2 and 3 — "Wild Is the Wind" starring Anthony Quinn, Anna Magnani, and Anthony Franciosa (M), Time 1400, 1830 and 2030.

Tuesday, Feb. 4 — "The Sun Also Rises" starring Tyrone Power, Ava Gardner, Mel Ferrer, Errol Flynn, and Eddie Albert (M). Time 1830 and 2030.

"And can you tell us, sir, how you remain so spry, even though you're about to celebrate your 100th birthday?"

"Well, I don't know yet. I'm dickering with two or three patent medicine concerns and a breakfast food company."



ON THE BALL—Basketball, that is. She's Miss Betty Jo Martin, Rocket Pin-up for the week. Betty Jo's a clerk-typist in Redstone's Consolidated Supply Office. A native of Talladega, she lives in Huntsville now. She can't play basketball, but who cares? (Photo by Pvt. Ralph Jefford.)

REDSTONE CAGERS SPLIT PAIR WITH PENSACOLA TEAM

A fired-up Redstone basketball team, coming back after suffering an 81-62 loss, defeated Pensacola Naval Air Station 67-53.

In the first game, a nip-and-tuck battle was encountered, until Bob Dube and Don Gothard left the game with five personal fouls. From this point on Pensacola went on to win handily. The second game was of a dif-

ferent nature. The Rockets played good solid basketball and never trailed Pensacola. In the closing minutes of the ball game, Charlie Lewis gave the opposition and the crowd a demonstration of his ability to control the ball. With Lewis's assistance, the 'Rockets' were able to freeze the ball for the last three minutes.

Chester Topp, Charlie Lewis, and Bob Dube were the high-point men for the night with 22, 20, and 18 points.

Fort Benning will be playing Redstone on the third of February here; on the fourth and fifth the Rockets will play host to the

GRAND THEATRE

WED., THURS., FRI.

"The Parson and the Outlaw"

• Anthony Dexter

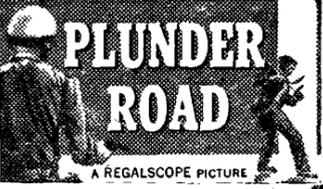
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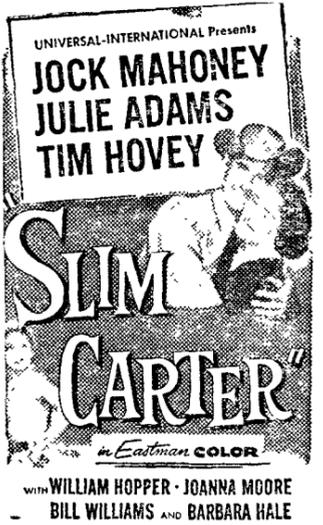
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REPEAT SHOWING OF HOMETOWN MOVIES

SUNDAY & MONDAY



TUESDAY & WEDNESDAY



COMING SOON
"PEYTON PLACE"

WHITESBURG DRIVE-IN

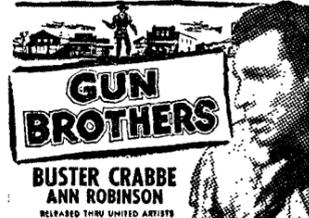
LAST TIMES TONIGHT
"The Pride and The Passion"

• Sophia Loren
• Frank Sinatra
• Carey Grant

THURSDAY & FRIDAY



SATURDAY
— Double Feature —



PLUS
"OASIS"

—starring—
• Michele Morgan

SUNDAY & MONDAY
"Hatful of Rain"

• Eva Marie Saint
• Don Murray

TUESDAY & WEDNESDAY

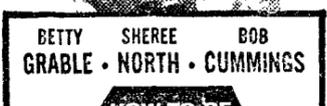


PARKWAY DRIVE-IN

WEDNESDAY & THURSDAY



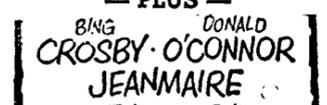
— PLUS —



FRIDAY & SATURDAY



— PLUS —



STARTS SUNDAY
"Bernadine"
with
PAT BOONE

SPORTS QUIZ

1. Rocco's Dickie Moegle in 1954 scored on the longest touchdown run in Cotton Bowl history, 95-yards, despite the famous "bench tackle." Who tackled Moegle from the player's bench?
2. Southern California and Pittsburgh met in the first Rose Bowl game. When was it played, and who won?
3. Who was the only baseball player in the American League to hit four consecutive home runs in one game?
4. The United States and a team from the British Isles played in the first Davis Cup Championships. What was the year and who won?
5. This man, along with Mauri Rose, is the co-holder of the record of winning the Indianapolis-500 three times. Who is he?

(Answers to Sports Quiz)

1. Alabama team captain, Tommy Lewis.
2. 1930, USC won, 47-14.
3. Lou Gehrig.
4. 1900, the U. S. team won (5-0).
5. Wilbur Shaw.

The best way to remember your wife's birthday is to forget it once.

same Pensacola Naval Air Station.

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LAST TIMES TONIGHT



THURSDAY & FRIDAY
Double Feature



SATURDAY ONLY
Double Feature



STARTS SUNDAY



Bob Darnell Chosen As Best Speaker at Toastmasters Meet

Bob Darnell was elected "Best Speaker" at the regular weekly meeting of Redstone Toastmasters Club. His speech entitled "Explosion in Singapore" emphasized the necessity for issuing clear and precise orders to completely eliminate the possibility of misinterpretation of commands.

Other speakers included Herb Adcock, who spoke on "Cases in Careful Auditing;" Bob Cramer detailed the history of football in his talk on "Football from Antiquity to Today"; and Steve Dobbs, who spoke on "Television and Radio for Classroom Education."

Toastmaster for the evening was Emile DesLaurier; Jack Nelson served as General Evaluator; Web Mayfield was Grammarian; Walt Barney acted as Parliamentarian; and Tommy Stramiello served as Table Topics Chairman.

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LAST TIMES TONITE



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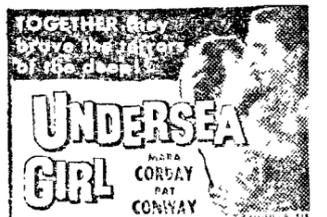
THURSDAY & FRIDAY



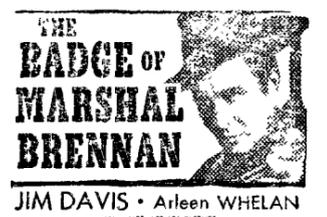
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SATURDAY ONLY



— Plus —



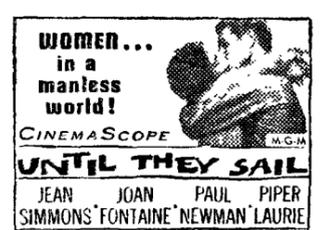
SUN., MON., TUES.

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Suspense clutches your heart in this spectacular saga of the sea!

STARTS WEDNESDAY



At the Service Club

We are recuperating from a strenuous Friday night of square dancing and whooping it up country style . . .

Removing all traces of the ravages of the party . . .

Settling down to a nice easy routine of quiet music, bridge, chess, ping pong, pool, and games . . .

And gathering strength for the hearty and perhaps flowery February program.

It is a good time for the bridge tournament to complete the eliminations for selection of champions . . . for the chess players to join the Chess Club under the able direction of Mike Shulman, who, by the way, promises that chess can solve your problems and, if not solve them, at least provide an avenue of escape . . . for the Paragons to rehearse for more anticipated dances here at the Club . . . for all singers to concert their voices with the Missilemen and Maids at the Thursday night rehearsals . . . for taking advantage of the give-away prizes at Monday night bingos . . . to stop daydreaming about Basin Street, Royal Street and

Bourbon and to make concrete plans for going the Dixieland way to MARDI GRAS . . . we might be able to help with reservations if any of you are interested in obtaining them through the Club . . .

For you talented people to come out from where you are and prepare for the 1958 ALL-ARMY ENTERTAINMENT . . . there are no classes of competition that include the skills of anthropologists, chiropractors, spelologists, radiologists, etc., but we can use singers, dancers, novelty instrumentalists, vocal impersonators, tumblers, roller-skaters, judo artists, barbershop quartets, choral groups, spiritual or blues singers, country and western group singing, and rock 'n' roll groups. Come by the Service Club and let us know who you are so that we can include you in the lineup of talent for this contest.

Exuberation and exhilaration don't come on the heels of a celebration so until the next raging occasion, let's fortify ourselves with caffeine.

See you at Coffee Call . . .

MURIEL



ARSENAL GUARD MEMBERS GET AWARDS—A group of post employees who are also members of the National Guard in Fayetteville, Tenn., hold certificates of award recently conferred on their unit for superior performance. The outfit — Battery C, 566th Field Artillery Battalion — was one of only a few to be cited as superior during a Federal inspection by the Third Army Inspector General. Left to right above are Lt. Ralph Daniels, employed by Brown Engineering Co.; Capt. Aubrey W. Anderson (unit commander), who works in ABMA's Technical Materials and Equipment Branch; SP2 Billy Joe Prosser, also of TM&E; SP2 Joe Rutledge, TM&E; Lt. James Forbes, Rocket Development Labs, RSA; and SFC C. M. Clayton, Consolidated Supply Office, RSA.

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WOLF — The gay dog obviously is looking at the pretty poodle. Look again, there is a poodle. Right down there in the corner. No need to say more. It's self-explanatory, anyway.

DETROIT WOMEN UNDERWRITE CHAPEL FOR SOLDIERS PROTECTING AREA

and the generosity of a local women's group are making it possible for the Army's anti-aircraft artillery defenders here to have a chapel of their own.

A year ago members of the Detroit Metropolitan Unit of the American Women's Voluntary Service got in touch with Major Wesley Sager, commanding officer of the 99th Gun Battalion here. The women were interested in helping bring about the construction of chapel facilities for the soldiers guarding their home area.

Sparked by Mrs. Gordon Wrinn, the women got busy soliciting funds from friends and neighbors.

Meanwhile, a member of the battalion, Private First Class James Sherbody, drew up plans for the chapel. In civilian life he had designed homes and commercial buildings in Ohio, Indiana and Michigan.

By last May a chapel of contemporary functional design was on the drawing board. It would be a concrete block structure with a high-pitched gable roof and natural wood finish, both exterior and interior. The building would seat 125 worshippers.

The Detroit Chamber of Commerce made a contribution to the inter-denominational chapel in the form of a stained glass window. It depicts a closed hand with the index finger pointing skyward against a background of the Cross and Star of David.

Two other members of the bat-

alion, Privates First Class James Mudd and Lloyd Kreitz, joined Sherbody in building the chapel.

Mudd had been a supervisory electrician at the atomic energy project in Madison, Ind. Kreitz was formerly a manual training instructor in the Minneapolis high school system.

With such skills available it was possible to build a \$12,000 chapel with a cash outlay of about \$2000. The Detroit Garden Club offered to do the landscaping.

Formal dedication of the chap-

el will be made Sunday, November 25, by the Army's Chief of Chaplains, Major General Patrick Ryan.

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See A. W. Hill, Jr. After 9:00 A.M. or G. B. Yarbrough at

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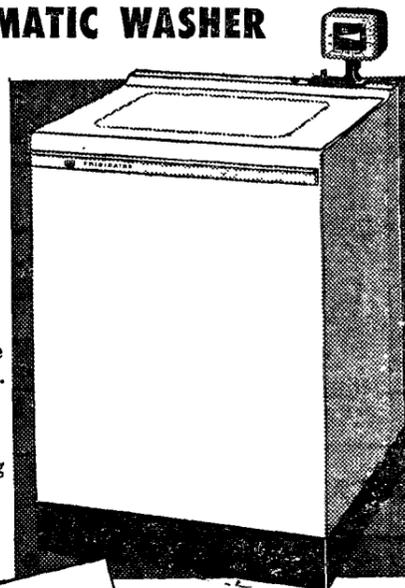
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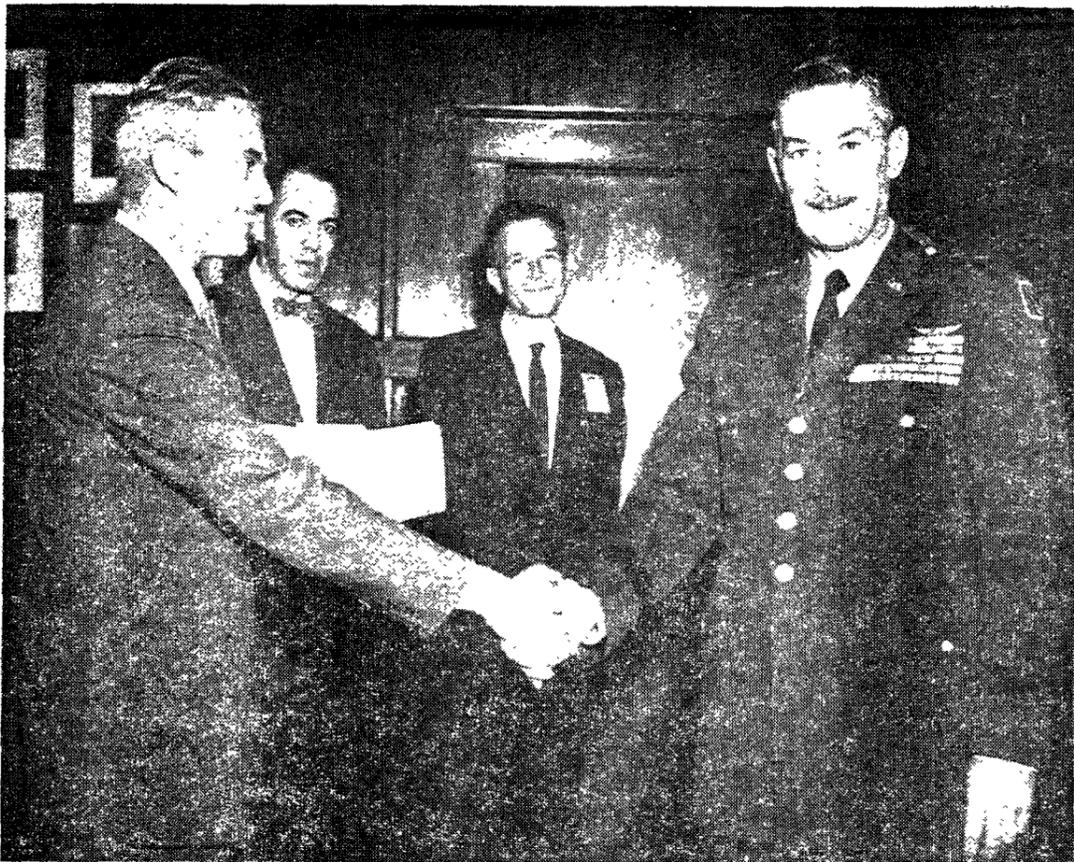
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HOLDERER RECEIVES AWARD — Maj. Gen. J. B. Medaris, commanding general of the Army Ballistic Missile Agency, extends congratulations to Oscar C. Holderer of the Aeroballistics Laboratory on receiving a Special Act and Service Award of \$725. Also attending the presentation ceremony were Thomas G. Reed (background left), chief of the experimental aerodynamics section of the Aeroballistics Laboratory, and Dr. E. D. Geisler, director of the Laboratory.

* * *

Oscar Holderer Gets Special Act and Service Award of \$725

Oscar C. Holderer, chief of the design unit in the Aeroballistics Laboratory at the Army Ballistic Missile Agency, has been presented a Special Act and Service Award of \$725.

Holderer received the award in recognition of his accomplishments in the design and construction of the 14 inch tri-sonic wind tunnel, which resulted in a substantial monetary saving and other benefits involving safety, availability and utilization.

DEVELOPMENT OF NEW ROCKET ENGINE ANNOUNCED BY THIOKOL, CALLERY CO.

WASHINGTON, D. C. — New super-efficient rocket engines are being developed by Thiokol Chemical Corp. of Trenton, N. J., using solid high-energy fuels to be produced by Callery Chemical Co., of Pittsburgh, Penna.

Under terms of a working arrangement announced recently, Callery, developer of HiCal, a new high-energy Boron-based liquid fuel will produce the solid fuel and Thiokol, pioneer producer of case-bonded, solid pro-

pellant rocket engines, will develop the rocket engines. Announcement of the development project was made jointly by J. W. Crosby, president of Thiokol, and E. G. Sanner, Callery's president.

Crosby said that development work on new rocket propellants utilizing HiCal already is underway at Thiokol's Elkton and Redstone Divisions.

"We feel that the greater energy possible from this type of fuel will help us to achieve a rocket engine of greatly improved performance with lower weight and greater power," Crosby said. "Preliminary studies with this new fuel have been encouraging," he added.

Sanner said Callery's role in the development project "will be to provide HiCal in solid form and to work with Thiokol's scientists in effecting a successful combination of compounds which can be utilized in Thiokol's case-bonded rocket engine design." Another part of the Callery-Thiokol joint effort will be concerned with the development of more advanced solid oxidizers to further enhance the characteristics of this new solid fuel.

Last month, Callery announced plans to produce HiCal in solid form. Pilot quantities of the new fuel will be available for larger scale rocket tests in 1958.

Thiokol operates four Rocket Divisions. One is a Government-owned research and development plant at Redstone Arsenal, Huntsville, Ala. Another Government-owned Thiokol-operated division is a rocket production plant at Longhorn Ordnance Works, Marshall, Texas. Thiokol also operates its own rocket plants in Elkton, Md., and Brigham City, Utah. The Utah Plant, opened formally Oct. 17, 1957, is specifically designed for production and testing of very large rocket engines.

During the past year, Thiokol rocket engines have been used for the Nike-Hercules, Lacrosse, Matador, Falcon, Lockheed X-17 Re-entry Test Vehicle Operation "Faiside" (which reached an estimated 4,000 mile altitude), and for development of the Navy's Polaris.

Callery, which received the 1957 Chemical Engineering Achievement Award for developing HiCal, has formed a solid fuels group at the company's Research and Development Division, Callery, Pa. Callery also is building and will operate for the Navy a \$38,000,000 plant at Muskogee, Okla., for production of liquid HiCal. This product and commercial Boron chemicals also will be produced at Callery's own \$4,000,000 plant now under construction in Lawrence, Kan.

The Callery Lawrence plant is expected to go on-stream in the Spring of 1958 and the Muskogee plant early in 1959.

When the rocket is fired, the solid fuel will burn on all exposed inner surface of a special-

The teacher looked sternly at the boy: "I am told you went to the movies yesterday instead of coming to school."
"That's not true," said the boy, "and I've got a fish to prove it."

Investment Executive Addresses Meeting

John O. Eddins, account executive, Merrill Lynch, Pierce, Fenner, & Beane, of Birmingham, was guest speaker at a special meeting of the North Alabama Chapter of the National Association of Accountants, held last night at the Decatur Country Club.

Mr. Eddins' subject was "Current Affairs in the Investment Fields."

**Whee...!
That was
fast.....**

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**COMPLETE RECAPPING
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DIAL JE 2-5312

In recommending him for the award, Eberhard Rees, deputy chief of the Development Operations Division at the Agency, stated that Holderer "has designed facilities which have accomplished extra-ordinary results for the Department of Defense" and "has demonstrated unusual initiative in devising improved methods that resulted in substantial monetary savings."

Holderer, together with his wife and two children, resides at Rt 3, Box 112, Huntsville. He came to Huntsville in 1950 from Fort Bliss, where he had been employed since 1945.

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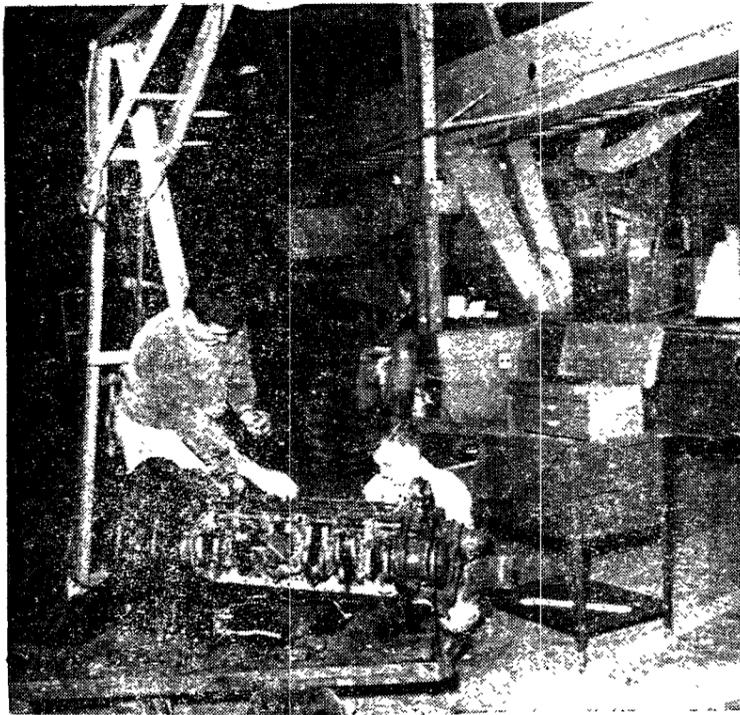
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- Dual cycle
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- Dispenser wheel
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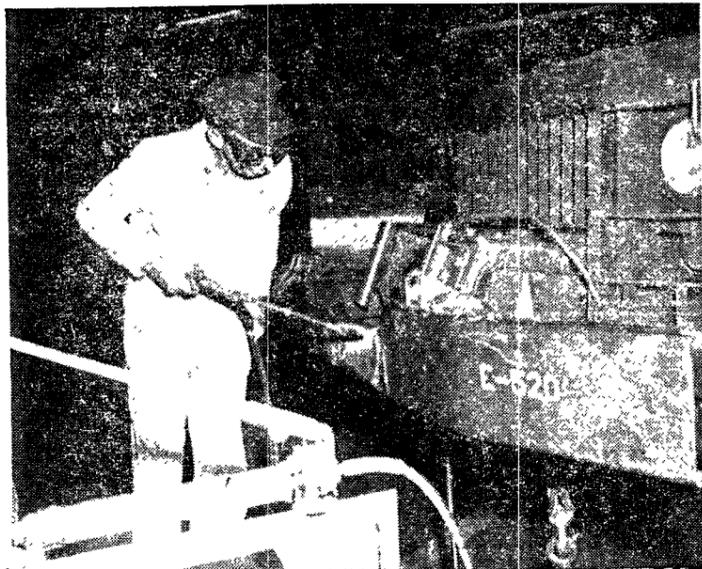
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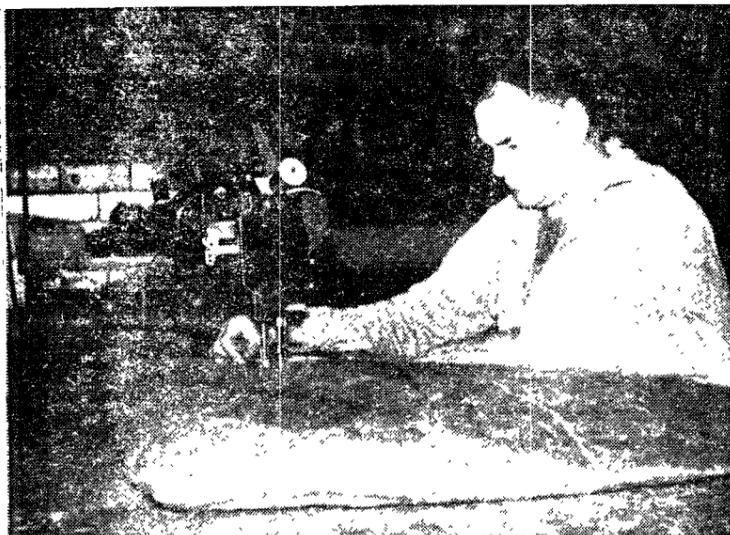
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SPECIAL EQUIPMENT SPECIALISTS—Hubert L. Mason and Willred (Billy) W. Smith install a new crankshaft for an electronic trailer in the Field Maintenance Special Equipment shop.



FOURTEEN-YEAR MAN—William D. Bradford has been on automotive minor repairman here for the past 14 years. Above he is straightening the bumper of an Army truck in the automotive shop of the Field Maintenance Office.



COVERS FOR CONTAINERS—In the Field Maintenance upholstery section strange devices are turned out. Here Leo Fanning stitches glass-insulated aluminum covers for peroxide tanks.

The little wife says she hasn't had any trouble with her husband at mealtime since she's been cooking with wine. Just as long as there's plenty of gravy on the table everything's OK.

He: "I think, dear, that you fib a little occasionally."
She: "Well, I think it's a wife's duty to speak well of her husband at times."

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FIELD

(Continued From Page 1)

tion of Field Maintenance on duty 24 hours a day. But it doesn't matter to the Field Maintenance people who they work for. If the Navy asked for help it would be forthcoming as quickly as help for the National Guard, the Ordnance Guided Missile School, the Army Ballistic Missile Agency, or any other military service in the vicinity. The explanation is simple. The using service foots the bill.

Field Maintenance has shops for such face-lifting jobs as painting, body repair, upholstery, and replacing broken glass. The upholstery people may create just about anything that can be sewn. They make canvas walkways over narrow timbers for use in areas where an inadvertant spark from a shoe against the floor might cause an explosion. Or they can fashion glass-insulated aluminum covers for cans of hydrogen peroxide.

Automotive, electrical, and electronic experts are on hand in the areas where their knowledge is needed.

Many of the men have been on the same jobs for as long as 14 years. The only change in their business is the basic name of the main office. In some fields, the men are comparatively young and the equipment they repair is new. This especially applies in the electronics and electrical sections where new developments are constantly changing old patterns of doing things.

Anything that "flubs" is accepted for repair or face-lifting. And centralization speeds up repair through specialization, precision equipment, and a stock of spare parts.

National Sojourners, Heroes of '76 Hold Officers' Installation

Redstone Chapter 353 of National Sojourners and the Monte Sano Camp of Heroes of '76 held an installation of officers on Friday, Jan. 24, at the Redstone Officers Open Mess.

Officers installed for the ensuing year are: Lt. Col. Herbert C. Hansen, president; Frederick Sayers, vice-president; and Lt. Gerald E. Watkins, secretary-treasurer of the National Sojourners; and Jack Enochs, commander;

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MISSILE SUPPLY ROOM—E. H. Styles fills his bins with spare parts for the Army missile family. Items are stored at the Field Maintenance Office for all the equipment related to the missiles and their handling and guidance as well.



FINDS NEW VOCATION—SP3 J. H. Keenan of Greenville, S. C., discovered he would rather be a doctor of electronic instruments than a dentist when he was assigned here from Ft. Monmouth, N. J. He is working on a multimeter in the electronic shop at the Field Maintenance Office.

Little 4-year-old Jimmy was asked to watch over the new baby next door while the two mothers had a brief visit. Jimmy soon tired of playing with the toys and

began chattering away at the infant.

"What's your name?" he asked.

No answer.

"How old are you?"

Again no answer.

Jimmy thought for a minute.

"Look," he said finally, "if you can't talk, just nod your head yes or no."

Maj. Arthur F. Pottle, chief of staff; and CWO George F. Broxton, adjutant of the Heroes.

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Drive out and see our display of quality home furnishings at wholesale prices. Our low overhead permits us to give you extra discount savings. Ask about our easy pay plan. Furniture Outlet Store, Meridianville, Ala., Phone JE 6-6857. Out-a-way — Less-to-pay tfc

JOHNSON SEA-HORSE Sales and Service, boats, trailers, marine accessories, used outboard motors, easy terms. **AUTOMOTIVE PARTS CO.**, 610 Meridian St., phone JE 2-5654. tfc

Auction House, West Holmes St. — auction every Thursday night. Furniture sold off the floor each day of the week. If you have anything to sell we will sell it for you on 20 per cent commission. Phone JE 6-2241. tfc

MODERN HEALTH Club Services — Central YMCA, 203 South Green St. is offering massages, turkish baths, electric heat cabinets, ultra-violet and infra-red lamps, diathermy, sun lamp, swimming pool. Graduate Masseuse in charge. Phone JE 471-31. tfc

ROOMS FOR RENT—Single and double for men with good habits, completely and newly decorated, economically priced. Central Y.M.C.A. Dial JE 4-7131. tfc

FOR SALE — 10 acres land 7 miles east of Hartselle, with 660-ft. frontage on Highway 36. Nice for building sites. Also have other building lots in Mt. Tabor Community, just to the south. S. S. FRANCIS, Phone SP 3-7652, Hartselle Rt. 4. 1-29p

AN OPPORTUNITY to be your own boss and earn a good living. Texaco Service Station for lease in Huntsville. Call A. M. LYNCH, Decatur, EL 3-3365. 2-5c

LAKWOOD
Huntsville Largest Exclusive Brick Subdivision
320 ALREADY SOLD
(95% to Arsenal Employees)

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JE 6-1554

LAKWOOD
REALTY CO.
North Parkway

FOR SALE — 1953 Ford Four-door Mainline, heater, low mileage, good tires, mechanically perfect, \$435.00. Phone Redstone extension 4527, ask for NED GIDDENS or Arab JU 6-5135 after 5:30 p.m. 1-29c

GUNTERSVILLE — 3 bedroom, 1½ tile bath, pine paneled kitchen, 8x10 utility storage room, patio, large lot overlooking lake, landscaped, \$13,950, 4½% Conventional with no closing cost or FHA Loan. Phone Huntsville, JE 6-4411, extension 4172 or Guntersville, JU 2-3562. tfc

WANTED — Everyone to attend "Follies of 1958", Friday, Feb. 7, at 8 p.m. at Arab Armory, cast of 100 local people, benefit Arab High School Band. Adults \$1.50, Children 75c. 1-29c

TRAILER SPACE available at Decatur Trailer Park, concrete patios, laundry facilities on Hwy 31 South, also at Uptown Trailer Court, Decatur, Ala. Convenient to churches, schools, business district. Five blocks south of river bridge on Highway 31. Modern laundry facilities. Wiring adequate for any kind of electrical appliance. For reservation write P.O. Box 239, Decatur, Ala. tfc

FOR SALE — Lake front lot in Honeycomb Park on Guntersville Lake, well-improved, graveled driveway, large shade trees, sandy beach, terms can be arranged. Call R. Paetz, JE 2-2296. 2-5c

HOME FOR SALE — Owner transferred. 3 large bedrooms, nice yard for children, in new sub-division. New school bond passed yet low taxes, his 4½% F.H.A. loan can be transferred or easily re-financed. Will talk terms if interested. Write Box 282 or Phone Justice 2-4657 Guntersville, Ala. 2-5c

FOR SALE — 2 bedroom house in South Huntsville, in excellent condition. Phone JE 2-2533, shown by appointment. 1-29p

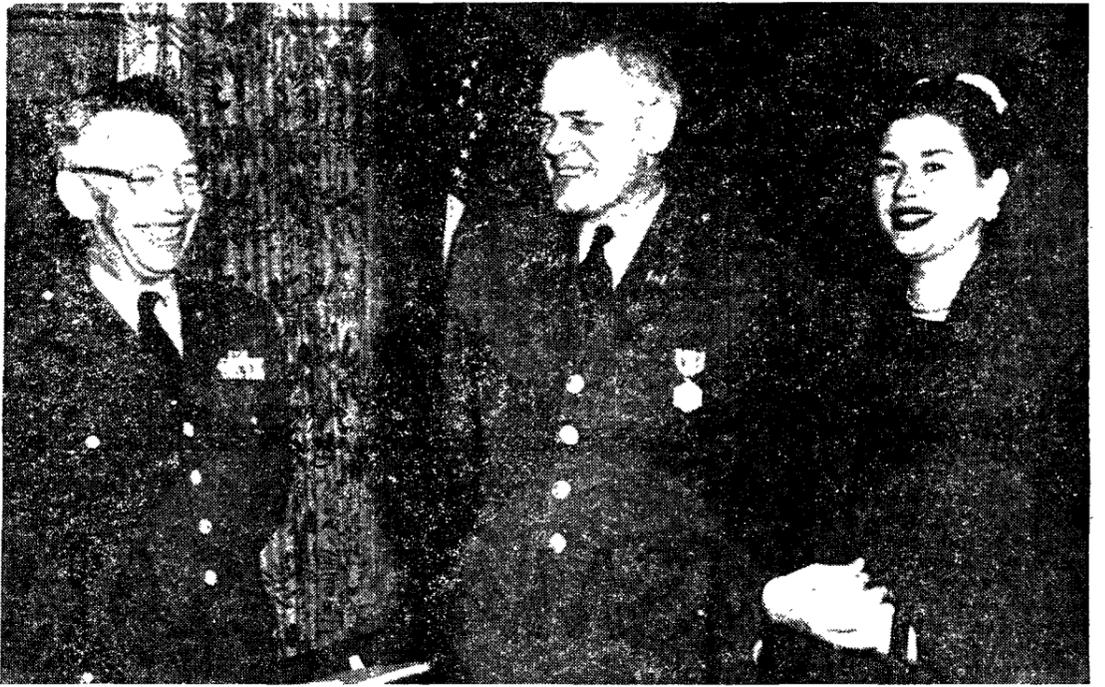
COMMERCIAL SEWING and alterations, all work guaranteed. Mrs. Smith, Phone JE 4-4196, NYLE SHOP, 11 S. Side Sq. 2-12c

FOR SALE — Beautiful bluff lot on Green Mountain, 3 and 3-4 acres, fenced in, cleared. Call Werner R. Kuers, JE 2-2509. 1tc

WANTED — Weekend and spare time workman thoroughly experienced in motor repair and boat repair. Write P. O. Box 473, Huntsville, Ala. 2-19c

WILL KEEP 1 OR 2 Pre-School age children in my home while mother works. Mrs. Anderson, Apartment C, 1152 Hof Circle, Redstone, Phone JE 6-4274. 1tc

NORELCO TAPE RECORDERS—3-speed professional "Continental." The finest recording and playback system ever offered to recordists, Hi-Fi enthusiasts and music lovers. Stereo Kits now in production. Call ext. 5960 for information, or better still, see and hear these recorders. LEWIS M. STONE, Arab, Ala., Rt. 1. Located on Arab-Guntersville highway (Scant City). Inquire at Dodds Place, or phone JUNiper 6-4907, Arab. tfc



COL. ARTHUR H. LAHLUM (center) displays the Commendation Ribbon with Metal Pendant which was presented to him by Brig. Gen. J. A. Barclay (left), deputy commander of the Army Ballistic Missile Agency. Mrs. Lahlum (right) was also present during the ceremony.

COL. LAHLUM

(Continued From Page 1)

for numerous other construction projects which were vital to the success of the mission of the Agency.

The citation accompanying the award pointed out that "at no time were Agency missile schedules delayed for lack of approved facilities at this installation," and commended Col. Lahlum for his "outstanding technical competence, his practical ability to apply sound engineering principles, his exemplary tact in dealing with both superiors and subordinates, and his personal aggressiveness and tenacity."

Col. Lahlum left his assignment at Redstone Arsenal on Jan. 15 and will report to the Port of Seattle on Feb. 3 for duty in Korea.

Girls, if men criticize your new bathing suit, don't try to laugh it off. You might.

FOR SALE — 1952, 30-ft. Pace-maker House Trailer, clean, good condition, contact SP-3 Robin Allin, Redstone extension, 5672 during duty hours. Located at 102 W. Pine St., Pelham's Trailer Court. 1tc

FOR SALE by owner — 3 bedroom brick veneer, ceramic tile bath, expandable attic, natural gas heat, air conditioned, excellent location, 1105 Edgewood Ave., Phone JE 2-8125. 1td

LADIES — Keep in touch with your Luzier's Cosmetic Consultant. Phone Mrs. Geneva Boyd, JE 4-4701. 1tc

FOR SALE — 27-ft., 1950 model Richardson House Trailer, excellent condition, 8-ft. awning. Call Jane Moring, Redstone extension 4423 or see at No. 8 City Trailer Park on East Holmes St. 1tc

Fleming Meadows

3 BEDROOM AND DEN, FULL BASEMENT
Whitesburg Rd. & Drummond Dr..

Lovely new Key James brick. Just completed on large corner lot. Large living room, dining room, spacious kitchen, family room, 3 nice bedrooms, 1½ ceramic tile bath, ample closets, full daylight basement with garage.

Priced at Only \$19,000

To See Call JE 4-4946, Field Office; At Night JE 6-6822

CHAS. G. ANDERTON

Louisville, Ky., Firm Awarded Contract On Water Tank

The W.E. Caldwell Co. of Louisville, Ky., has been awarded a contract in the amount of \$63,340 for constructing a 250,000-gallon steel elevated water tank at the Army Ballistic Missile Agency, according to an announcement made by Col. Harold E. Bisbort, U.S. Army District Engineer at Mobile, Alabama.

The Caldwell Co. will design, fabricate, and erect the tank, complete with all water lines, electrical work, and appurtenances.

Army Engineers will receive bids at the Corps of Engineers

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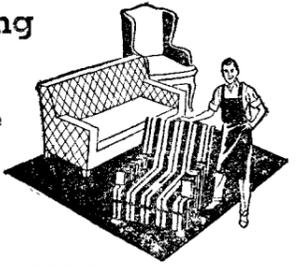
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District Office in Mobile on Feb. 6 for the construction of a power line and an access road to the tank site in Plants Area No. 2.

The honeymoon is over when the dog brings your shoes and the wife starts barking at you for taking your shoes off.

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Amateur Rocketeers Urged to Use 'Extreme' Caution

A widely-experienced missile authority has issued a stiff warning urging amateur rocketeers to use "extreme" caution in making home-made rockets.

"We don't want to lose the next crop of young scientists before they get started," said Maj. Gen. H. N. Toftoy, commanding general of Redstone Arsenal.

"The last thing we want to do is discourage youngsters and their science teachers in their energetic and creative efforts. All I'm saying is that the work should be done under absolutely safe conditions.

"At Redstone Arsenal, our development work is carried out behind concrete and steel barricades, with plenty of distance between men and experimental materials," Gen. Toftoy said. "Propellants are mixed by remote control in proper containers."

"We insist on safety day in and day out, and we provide the safest working conditions possible. But with all this, we still experience accidents, which under less safe conditions would be extremely hazardous.

"I've said it before and I say it again: almost anything in the world will burn — and a lot of things will explode" Gen. Toftoy said.

"It was plain ordinary fertilizer (ammonium nitrate) that caused the terrible Texas City explosion a few years ago, killing hundreds of innocent people."

Gen. Toftoy has been associated with this country's rocket and missile effort since 1945. He has been commanding general of Redstone Arsenal for more than three years.

The general went on to cite some of the hazards involved in rocket research.

"A couple of harmless drug store items like sugar and saltpeter become a deadly substance when combined. Usually the simplest things make the worst propellants and common black powder is the worst of all."

A number of rockets and missiles, including solid and liquid propellant varieties, were developed under the direction of Gen. Toftoy. These weapons include the Nike-Hercules, Honest John,

and Little John, all solid propellant rockets, and the Redstone, Corporal and Nike missiles, all of which contain liquid propellants.

Gen Toftoy added, "I would not think of personally handling substances that create rocket propellants in my home workshop."

But for those budding engineers who simply must experiment, the man who is known throughout the Army as "Mister Missile" had

a few suggestions:

First, don't experiment with liquid fuels like liquid oxygen, nitric acid, and gasoline at all.

The problems involved are almost insurmountable except for an expert missileer with highly accurate and expensive equipment. Special valves to control the flow of liquid fuels require high-quality machine work. Also needed for liquid fuel rockets is a complex ignition system that

just can't safely be fabricated in a basement.

As for solid propellants, a "binder" is vital. Loose powders simply cannot be packed tightly enough to avoid grave danger of explosion. A solid propellant charge must be thoroughly mixed. Cracks and air bubbles are as great a source of danger as loose powders.

Such substances must be heated to make them liquid and the danger lies in overheating which leads to an explosion.

"But by far the best and certainly the safest way to make a rocket," Gen. Toftoy concluded, "is to get yourself a technical education and then a position with one of the rocket research centers in this country.

"At a place like Redstone Arsenal you not only get the benefit of associating with rocket and missile men who have had years of experience, you will be able to engage in this work under the safest possible conditions."

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MP OF MONTH — Sgt. Jose Gonzalez (left), ABMA's Military Policeman of the Month, recently received an award plaque from Maj. L. W. Sheeran, Chief of the ABMA Intelligence and Security Office. Sgt. Gonzalez, who is assigned to Detachment B of the Army Ballistic Missile Agency Military Police, was also awarded a three-day pass.



TATTOO TAN — Peggy Hallack, film actress with a fetching wink, made that leg tattoo with lots of sun and an adhesive cut-out. Peg is not one to wear her heart on her sleeve.

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TOWARD
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MEN'S NEW
**SPORT
COATS**

Tailored from all wool, dacron, and blend combinations . . . in stripes, checks and patterns in many new colors for spring. Today's man of fashion has a place in his wardrobe for one of these good looking coats and it is so economical you can own two.



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